

Technical sheet FT-03910

FUSY/U11 – FUSADEE® 1-pole SPD for FUSADEE Y/11 Ø11x 38mm for ½ automation system line pair

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Designation

FUSADEE® 1-pole modular SPD for 24/48V automation system line (½ pair), delivered with 1 FUSADY/11 green cartridge $U_p=0.09kV$

Applications

Power supply of automation systems, actuators, electrovalve command systems

This FUSADEE® cartridge SPD is designed to protect the power supply lines of automation systems (AC & DC), actuators and electrovalve command systems against lightning and overvoltage surges.

This SPD can also be used for the protection of a DC power line (including PV installations) up to U_{ocmax} 55Vdc (isolated installation with 24Vdc-PV panels)

Technical specifications

- Nominal voltage U_n : 24/48Vac.
- Max steady-state voltage U_c : 30Vac / 55Vdc. (up to 60Vac / 110Vdc in 2-pole configuration for power line with no earthing reference).
- Voltage protection level U_p : 0.09kV ;
- Fusion threshold (10/1000 waveform) : 3kW
- Operating temperature range: -40 / +70°C
- Nominal discharge current I_n : 0.3 kA (nombre de choc à I_n illimité)
- NF EN 61643-11 compliant type 2 SPD
- Discharge capacity after internal fusion I_{fus} : 5kA (8/20µs)

Product description

1-pole type 2 modular SPD, Zener-diode technology, picosecond reactive, voltage protection level U_p 90V, U_c 24/48V (AC/DC), 11 x 38mm format, leakage current $<5\mu A$.

Accessories and spare parts

Replacement cartridges and holder :

- FUSADEE® cartridge holder Ø11 MTAMSC11 (code 30201)
- FUSADEE® spare cartridge FUSADY/11 (code 03900).
- Portable controlling device for automation system line cartridge FUSCT06 (code 10116)